Volume Contents

Number 1

Editorial	1	
A Room with a View		
J. D. Watson	3	For a few dollars more
Biotechnology in Perspective		
E. Yoxen	7	Of what value is the double helix now?
Biotechnology in Practice		
J. J. Lønsmann Iversen, M. Nielsen and R. P. Cox	11	Design and performance of a simple, inexpensive, modular laboratory-scale bioreactor
D. A. Micklos and G. A. Freyer	16	A laboratory introduction to DNA restriction analysis
U. Maerz and H. Wenck	23	The industrial use of enzymes — some classroom experiments
F. J. Rowell and D. Laurie	28	A simple, rapid and inexpensive demonstration of immunoassay principles
J. S. Gartland, M. R. Davey, J. B. Power and K. M. A. Gartland	32	Selectable marker inheritance in transgenic plants
Review		
N. Scott-Ram	37	The Baculovirus Expression Vector System
Proceedings		
S. MacPherson	41	SPINKS — eight years on
Teaching Resources		
	43	Book Reviews
	45	Software
Forthcoming Events	47	

Number 2

Editorial	49	
A Room with a View		
P. J. Regal	51	Biotechnology jitters: will they blow over?
Biotechnology in Perspective		
E. Yoxen	57	Genetic engineering — the importance of being earnest

Biotechnology in Practice

R. W. Hanson — 61 — Production of L-aspartic acid — a biotransformation experiment for undergraduate microbiology, biochemistry and chemistry laboratories

K. Johnsen — 64 — Models in biotechnology teaching

M. D. Tampion and J. Tampion — 68 — A simple and reliable micropropagation experiment using African violet (*Saintpaulia ionantha* Wendl.)

T. Stephenson — 73 — The use of *Thiobacillus* in biotechnology practical projects

Review

P. A. de Zoysa and I. F. Connerton — 77 — Application of gene manipulation to industrial strains of the yeast, *Saccharomyces cerevisiae*

Proceedings

P. Wymer — 83 — Manpower and training needs for UK biotechnology

Teaching Resources

85 — Book reviews

Forthcoming Events — 93

Number 3

Editorial — 97

Letters to the Editor — 99

A Room with a View

E.-L. Winnacker — 101 — The New Biology and the public

Biotechnology in Perspective

G. Junne — 105 — Does biotechnology cause developing countries' exports to decline?

Biotechnology in Practice

R. P. Cox — 109 — Software for teaching biotechnology: computer simulation of competition in continuous cultures

P. H. Williams — 111 — Rapid cycling brassicas — a context for plant biotechnology

J. B. Power, M. R. Davey, M. McLellan and D. Wilson — 115 — Isolation, culture and fusion of protoplasts — 1. Isolation and culture of protoplasts

Reviews

J. W. Almond — 125 — New vaccines — a recombinant DNA approach

L. H. Grimme — 128 — Biotechnology education in Europe

Proceedings

L. Wellington — 133 — Gene transfer in the natural environment?

Teaching Resources

137 — Book reviews

144 — Software

Forthcoming Events — 147

Number 4

Editorial 153

A Room with a View

J. E. Smith and C. W. Lewis 154 Food biotechnology — past, present and future

Biotechnology in Perspective

J. S. Katz 160 That which is not forbidden — by the Laws of Nature — is mandatory

Biotechnology in Practice

H. P. Bennetto 163 Electricity generation by micro-organisms

J. Hubble and N. Sanders 169 Principles of ultrafiltration: an undergraduate practical

J. B. Power, M. R. Davey, M. McLellan and D. Wilson 173 Isolation, culture and fusion of protoplasts — 2. Fusion of protoplasts

Review

E. R. Lucius 178 Micro-organisms and nucleic acid experiments in schools. Report on two meetings of experts at the IPN on the theme of "The Safety of Microbiological and Bacterio-genetic School Experiments"

Teaching Resources

185 Book reviews

Laboratory Update 193

Forthcoming Events 196

i Volume Contents and Author Index for Volume 1, 1989–1990